

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/075988 A1

(51) International Patent Classification⁷: A61M 15/00, A61J 1/00

(21) International Application Number: PCT/GB03/01004

(22) International Filing Date: 10 March 2003 (10.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0205572.1 9 March 2002 (09.03.2002) GB

(71) Applicant (for all designated States except US): TECHNOLOGY INNOVATION LIMITED [GB/GB]; 45 Boundary Road, West Bridgford, Nottingham NG2 7BZ (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CHAWLA, Brindra, Paul, Singh [GB/GB]; 45 Boundary Road, West Bridgford, Nottingham NG2 7BZ (GB).

(74) Agent: JONES, Stephen, Anthony; Adamson Jones, Broadway Business Centre, 32a Stoney Street, Nottingham NG1 1JJ (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

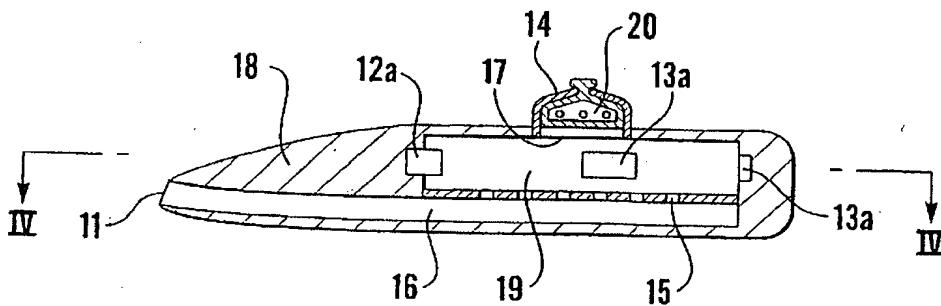
as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

of inventorship (Rule 4.17(iii)) for US only

Published:
with international search report

[Continued on next page]

(54) Title: MEDICAMENT DELIVERY AND PACKAGING



WO 03/075988 A1

(57) Abstract: A system is disclosed for the administration of a powdered medicament by inhalation. The system comprises a container (20, 60, 120) containing a unit dose of medicament in powder form, the container (20, 60, 120) having at least one dispensing aperture (21), and a device (10, 50, 100) having a chamber (19, 56, 110) adapted to receive said container (20, 60, 120). The device (10, 50, 100) further comprises air inlet means (12, 12a, 13, 13a, 112, 113) by which air may be drawn into the chamber (19, 56, 110) and means (11, 111) by which air and entrained medicament may be drawn out of the chamber (19, 56, 110). The system is arranged such that the container (20, 60, 120), in use, is stationary within the chamber (19, 56, 110).